

## **Andrew Satchwell**

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### **EDUCATION**

Master of Arts	2008	<b>Indiana University</b> , Bloomington, Indiana Concentration: West European Studies Thesis: "European Union Competition Policy at a Crossroad: Lessons for Merger Review Policy" Thesis Chair: Dr. Roy Gardner, Department of Economics Honors: Chancellor's List
Bachelor of Arts	2005	<b>University of Pittsburgh</b> , Pittsburgh, Pennsylvania Major: Political Science Certificate: European Union Studies

### **PROFESSIONAL EXPERIENCE**

Scientific Engineering Associate (June 2009-present)

*Lawrence Berkeley National Laboratory*

Berkeley, California

- Lead the development, design and implementation of utility system models that analyze financial and rate implications of energy efficiency portfolios with saving targets and alternative shareholder incentive and decoupling mechanisms on the earnings of utility program administrators, customer bills and rates to state agencies;
- Conduct technical and economic analysis and forecasts of demand response program resources as part of regional transmission planning purposes in conjunction with broader regional planning efforts and participate in regional transmission working groups, provide technical assistance as part of the Implementation Plan for The National Action Plan on Demand Response;
- Review utility proposals and provide technical assistance to Federal customers and utility companies related to the Smart Grid Investment Grant program's dynamic pricing and consumer behavior studies; and
- Conduct technical, economic and policy analysis of projects that analyze ESCO industry and market trends, including database design, documentation and quality procedures, project data collection and data entry, analysis of database project results, surveys, and interviews with ESCO industry participants, directing junior staff on data entry database functions, and report preparation and technical writing.

Utility Analyst II; Utility Analyst I; Intern (May 2007-June 2009)

*Indiana Office of Utility Consumer Counselor*

Indianapolis, Indiana

- Performed analytical analysis and advocacy
- Served as expert policy and economics witness in more than 10 adjudicated proceedings
- Developed policy recommendations for internal and external decision-makers
- Worked collaboratively with various stakeholders on smart grid and energy efficiency programs
- Participated in interdisciplinary case teams

## PAPERS AND REPORTS

### *Peer Reviewed Journal Articles*

Larsen, P., C. Goldman, and A. Satchwell. 2012. "Evolution of the U.S. Energy Service Company Industry: Market Size and Project Performance from 1990-2008." *Energy Policy*. Forthcoming.

Satchwell, A., P. Cappers and C. Goldman. 2011. "Carrots and Sticks: A Comprehensive Business Model for the Successful Achievement of Energy Efficiency Resource Standards." *Utilities Policy* 19: 218-225.

### *Peer Reviewed Conference Papers*

Satchwell, A., P. Larsen, and C. Goldman. 2011. "Combining Energy Efficiency Building Retrofits and Onsite Generation: An Emerging Business Model from the ESCO Industry." *2011 ACEEE Summer Study on Energy Efficiency in Industry*. Niagara Falls, NY.

Satchwell, A., P. Cappers, and C. Goldman. 2011. "Carrots and Sticks: A Comprehensive Business Model for the Successful Achievement of Energy Efficiency Resource Standards." *2011 ECEEE Summer Study*. Giens, France

Cappers, P., A. Satchwell, C. Goldman, and J. Schlegel. 2010. "Benefits and Costs of Aggressive Energy Efficiency Programs and the Impacts of Alternative Sources of Funding: Case Study of Massachusetts." *2010 ACEEE Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA.

Satchwell, A. and J. Soller. 2008. "Collaborative Two-Part AMI Programs for Demand Response and Energy Efficiency." *2008 ACEEE Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA.

### *Reports*

Larsen, P., C. Goldman, A. Satchwell. 2012. Evolution of the U.S. Energy Service Company Industry: Market Size and Project Performance from 1998-2008. LBNL Report 5447-E, June.

Satchwell A., C. Goldman, P. Larsen, D. Gilligan, and T. Singer. 2010. *A Survey of the U.S. ESCO Industry: Market Growth and Development from 2008 to 2011*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-3479E, June.

## PRESENTATIONS

National Association of Regulatory Utility Commissioners Summer Committee Meetings. July 24, 2012. *What Remains to be Done with Demand Response? A National Forum from the FERC National Action Plan on Demand Response Tries to Give an Answer: Tools and Methods Working Group*. Portland, OR.

California Energy Commission Integrated Energy Planning Report Workshop. June 11, 2012. *Framework to Identify and Address Barriers for Demand Response as Ancillary Services*. Sacramento, CA.

EPRI Advisory Meeting. February 13, 2012. *Overview of the Smart Grid Investment Grant Customer Behavior Studies*. Huntington Beach, CA.

AESP National Meeting. Energy Efficiency Business Models: Challenges to Traditional Utility Regulation. February 8, 2012. *Panel Discussant*. San Diego, CA.

Gridweek. Customer Behavior: Who's Studying Whom? September 15, 2011. *Panel Moderator*. Washington, D.C.

24<sup>th</sup> Annual Western Conference: Advanced Workshop in Regulation and Competition. Center for Research in Regulated Industries. June 16, 2011. *Customer Response Panel Discussant*. Monterey, CA.

European Council for an Energy Efficiency Economy (ECEEE) Summer Study. June 10, 2011. *Carrots and Sticks: A Comprehensive Business Model for the Successful Achievement of Energy Efficiency Resource Standards*. Giens, France.

Demand Response Expo. May 26, 2010. *Cost Allocation Approaches to Smart Grid/AMI Deployments*. Santa Clara, CA.

American Council for an Energy Efficiency Economy (ACEEE) 2008 Summer Study on Energy Efficiency in Buildings. August 18, 2008. *Collaborative Two-Part AMI Programs for Demand Response and Energy Efficiency*. Pacific Grove, CA.

Taking Utility Energy Efficiency Programs to 'the Next Level'. December 4, 2007. *Utility Incentives and Energy Efficiency: A Consumer Advocate's Perspective*. Santa Fe, NM.

## HONORS, AWARDS, AND ACTIVITIES

- Reviewer: The Energy Journal; Energy: The International Journal; Utilities Policy
- "Excellence for the Future Award" by Center for Computer-Assisted Legal Instruction in recognition of excellent achievement in the study of European Union Law, Fall 2006

## TEACHING EXPERIENCE

Associate Instructor (January 2007-May 2007)

*Indiana University*

- GLLC-G120: "How Far is Too Far: Violence and Politics in Europe"

## LANGUAGES

English (native)

German (proficiency in reading and writing)

French (literate in reading)

## COMPUTER SKILLS

Microsoft Word, Excel, Publisher and PowerPoint

SAS

Analytica

## REFERENCES

- Charles Goldman, EETD, Lawrence Berkeley National Laboratory  
[CAGoldman@lbl.gov](mailto:CAGoldman@lbl.gov); (510) 486-4637
- Joan Soller, Indianapolis Power & Light  
[Joan.soller@aes.com](mailto:Joan.soller@aes.com); (317) 261-5403
- David Stippler, Indiana Office of Utility Consumer Counselor  
[dstippler@oucc.in.gov](mailto:dstippler@oucc.in.gov); (317) 233-3232